

ABSTRACT

A windshield for a head-up display system has a pair of opposing major surfaces that are nonparallel to one another in selected areas. Light rays directed toward the nonparallel area of the windshield are reflected from the outer and inner major surfaces of the windshield and directed toward the eye of the observer as parallel or superimposed light rays to eliminate ghost images when viewing images projected through the head-up display system through the windshield. The interlayer blank utilized to make the windshield has a non-uniform thickness profile with a tapered thickness positioned in the selected areas of the windshield.